In the Claims

1 (currently amended). A method for the treatment, prevention, or ~~ameliorate~~ amelioration of medication-induced cognitive dysfunction comprising the administration of medications or compositions comprising one or more selective norepinephrine reuptake inhibitors (SNRI) or buproprion to an individual.

2 (original). The method according to claim 1, wherein said one or more SNRI are selected from the group consisting of reboxetine, atomoxetine, oxaprotiline, desiparamine, nisoxetine, ludiomil, and fezolamine.

3 (original). The method according to claim 1, wherein said SNRI containing compositions are co-administered with an affecting medication.

4 (original). A method for the treatment, prevention, or amelioration of perioperative cognitive dysfunction comprising the administration of medications or compositions comprising buproprion or one or more selective norepinephrine reuptake inhibitors (SNRI) before, during, or after a medical procedure to an individual.

5 (original). The method according to claim 4, wherein said perioperative dysfunction is caused by orthopedic interventions, patients with incomplete or heavy pain control, post coronary artery bypass graft, following craniectomy, carotid endarterectomy procedures, or electroconvulsive therapy (ECT).

6 (original). The method according to claim 5, wherein said one or more SNRI are selected from the group consisting of reboxetine, atomoxetine, oxaprotiline, desiparamine, nisoxetine, ludiomil, and fezolamine.

7 (original). The method according to claim 4, wherein said one or more SNRI are selected from the group consisting of reboxetine, atomoxetine, oxaprotiline, desiparamine, nisoxetine, ludiomil, and fezolamine.

8 (original). A method of treating or ameliorating cognitive dysfunction that is associated with, or arises from, a stressful situation comprising the administration of a composition comprising buproprion or one or more SNRI before or during the stressful situation to an individual.

9 (original). The method according to claim 8, wherein said one or more SNRI are selected from the group consisting of reboxetine, atomoxetine, oxaprotiline, desiparamine, nisoxetine, ludiomil, and fezolamine.

10 (original). A method to optimize cognitive function for individuals comprising the administration of a composition comprising one or more SNRI or buproprion to an individual.

11 (original). The method according to claim 10, wherein said individuals are selected from the group consisting of: individuals taking exams, servicemen and officers in the Armed Services during exercises or armed conflict, students, athletes during sporting events, and individuals in various work-settings.

12 (original). The method according to claim 10, wherein said SNRI composition is administered to the individual as needed, before, or during activities that require optimized cognitive function.

13 (original). The method according to claim 1, wherein a medication or composition comprising both buproprion and one or more SNRI are administered to an individual.

14 (original). The method according to claim 4, wherein a medication or composition comprising both buproprion and one or more SNRI are administered to an individual.

15 (original). The method according to claim 8, wherein a medication or composition comprising both buproprion and one or more SNRI are administered to an individual.

16 (original). The method according to claim 10, wherein a medication or composition comprising both buproprion and one or more SNRI are administered to an individual.

17 (original). The method according to claim 1, wherein the amount of SNRI or buproprion in said medication or composition is varied from day to day.

18 (original). The method according to claim 13, wherein the amount of SNRI and buproprion in said medication or composition is varied from day to day.

19 (original). The method according to claim 4, wherein the amount of SNRI or buproprion in said medication or composition is varied from day to day.

20 (original). The method according to claim 14, wherein the amount of SNRI and buproprion in said medication or composition is varied from day to day.

21 (original). The method according to claim 8, wherein the amount of SNRI or buproprion in said medication or composition is varied from day to day.

22 (original). The method according to claim 15, wherein the amount of SNRI and buproprion in said medication or composition is varied from day to day.

23 (original). The method according to claim 10, wherein the amount of SNRI or buproprion in said medication or composition is varied from day to day.

24 (original). The method according to claim 16, wherein the amount of SNRI and buproprion in said medication or composition is varied from day to day.

25 (new). The method according to claim 2, wherein said one or more SNRI is atomoxetine.

26 (new). The method according to claim 6, wherein said one or more SNRI is atomoxetine.

27 (new). The method according to claim 7, wherein said one or more SNRI is atomoxetine.

28 (new). The method according to claim 9, wherein said one or more SNRI is atomoxetine.

29 (new). The method according to claim 11, wherein said one or more SNRI are selected from the group consisting of reboxetine, atomoxetine, oxaprotiline, desiparamine, nisoxetine, ludiomil, and fezolamine.

30 (new). The method according to claim 29, wherein said one or more SNRI is atomoxetine.